

SEQUENCE LISTING

<110> Xiao, Yonghong
Gedrich, Richard

<120> Regulation of Human transmembrane Serine
Protease

<130> 02973.00035

<150> US 60/211,224

<151> 2000-06-13

<150> US 60/283,353

<151> 2001-04-13

<150> US 60/283,648

<151> 2001-04-16

<150> PCT _____ (Docket No. LIO-81-WO)

<151> 2001-06-12

<160> 36

<170> FastSEQ for Windows Version 4.0

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<213> Homo sapiens

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ctnccgcca	ctgcttcttc	gtgnaccg	gagaaggtcc	tggagggctg	gaaggtgtac	240
gcgggcacca	gcaacctgca	ccagttgcct	gaggcagcct	ccattgccga	gatcatcatc	300
aacagcaatt	acaccgatga	ggaggacgac	tatgacatcg	ccctcatgcg	gctgttcaag	360
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 tgctcactgc cgcccactgc ttcttcgtga cccgggagaa ggtcctggag ggctggaagg 180
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 ctcatgcggc tgtccaagcc cctgaccctg tccggtgagg gaatctgcac tccccgctct 180
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 atcaatagat tgaattcttt cactggtatt aactgagcac ctagggggcca aacgctatgg 480
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taggcatttc	acacatatga	tttcattttac	tcttcacaac	caaccctgtg	gagcangcac	540
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<210> 8
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 <212> DNA
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<210> 11
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 <211> 562
 <212> PRT
 <213> Homo sapiens

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 Arg Ala Ser Pro Ala Gln Ala Ser Pro Ala Gln Ala Ser Pro Ala Gly
 35 40 45
 Thr Pro Pro Gly Arg Ala Ser Pro Ala Gln Ala Ser Pro Ala Gly Thr
 50 55 60
 Pro Pro Gly Arg Ala Ser Pro Gly Arg Ala Ser Pro Ala Gln Ala Ser
 65 70 75 80
 Pro Ala Arg Ala Ser Pro Ala Leu Ala Ser Leu Ser Arg Ser Ser Ser
 85 90 95
 Gly Arg Ser Ser Ser Ala Arg Ser Ala Ser Val Thr Thr Ser Pro Thr
 100 105 110
 Arg Val Tyr Leu Val Arg Ala Thr Pro Val Gly Ala Val Pro Ile Arg
 115 120 125
 Ser Ser Pro Ala Arg Ser Ala Pro Ala Thr Arg Ala Thr Arg Glu Ser
 130 135 140
 Pro Gly Thr Ser Leu Pro Lys Phe Thr Trp Arg Glu Gly Gln Lys Gln
 145 150 155 160
 Leu Pro Leu Ile Gly Cys Val Leu Leu Leu Ile Ala Leu Val Val Ser
 165 170 175
 Leu Ile Ile Leu Phe Gln Phe Trp Gln Gly His Thr Gly Ile Arg Tyr
 180 185 190
 Lys Glu Gln Arg Glu Ser Cys Pro Lys His Ala Val Arg Cys Asp Gly
 195 200 205
 Val Val Asp Cys Lys Leu Lys Ser Asp Glu Leu Gly Cys Val Arg Phe
 210 215 220
 Asp Trp Asp Lys Ser Leu Leu Lys Ile Tyr Ser Gly Ser Ser His Gln
 225 230 235 240
 Trp Leu Pro Ile Cys Ser Ser Asn Trp Asn Asp Ser Tyr Ser Glu Lys
 245 250 255
 Thr Cys Gln Gln Leu Gly Phe Glu Ser Ala His Arg Thr Thr Glu Val
 260 265 270

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<210> 14
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 <212> PRT
 <213> Homo sapiens

<400> 14

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Val	Pro	Thr	Val	Tyr	Glu	Val	His	Pro	Ala	Gln	Tyr	Tyr	Pro	Ser	Pro
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Val	Pro	Gln	Tyr	Ala	Pro	Arg	Val	Leu	Thr	Gln	Ala	Ser	Asn	Pro	Val
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Val	Cys	Thr	Gln	Pro	Lys	Ser	Pro	Ser	Gly	Thr	Val	Cys	Thr	Ser	Lys
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Gly	Ala	Ala	Leu	Ala	Ala	Gly	Leu	Leu	Trp	Lys	Phe	Met	Gly	Ser	Lys
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Pro	Ser	Asn	Trp	Cys	Asp	Gly	Val	Ser	His	Cys	Pro	Gly	Gly	Glu	Asp
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Tyr	Ser	Ser	Gln	Arg	Lys	Ser	Trp	His	Pro	Val	Cys	Gln	Asp	Asp	Trp
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Asn	Glu	Asn	Tyr	Gly	Arg	Ala	Ala	Cys	Arg	Asp	Met	Gly	Tyr	Lys	Asn
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Asn	Phe	Tyr	Ser	Ser	Gln	Gly	Ile	Val	Asp	Asp	Ser	Gly	Ser	Thr	Ser
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Phe	Met	Lys	Leu	Asn	Thr	Ser	Ala	Gly	Asn	Val	Asp	Ile	Tyr	Lys	Lys
	210					215					220				
Leu	Tyr	His	Ser	Asp	Ala	Cys	Ser	Ser	Lys	Ala	Val	Val	Ser	Leu	Arg
225					230					235					240
Cys	Leu	Ala	Cys	Gly	Val	Asn	Leu	Asn	Ser	Ser	Arg	Gln	Ser	Arg	Ile
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Val	Gly	Gly	Glu	Ser	Ala	Leu	Pro	Gly	Ala	Trp	Pro	Trp	Gln	Val	Ser
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Leu	His	Val	Gln	Asn	Val	His	Val	Cys	Gly	Gly	Ser	Ile	Ile	Thr	Pro
		275					280					285			
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305					310					315					320
Phe	Tyr	Gly	Ala	Gly	Tyr	Gln	Val	Gln	Lys	Val	Ile	Ser	His	Pro	Asn
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Tyr	Asp	Ser	Lys	Thr	Lys	Asn	Asn	Asp	Ile	Ala	Leu	Met	Lys	Leu	Gln
			340					345					350		
Lys	Pro	Leu	Thr	Phe	Asn	Asp	Leu	Val	Lys	Pro	Val	Cys	Leu	Pro	Asn
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Pro Gly Met Met Leu Gln Pro Glu Gln Leu Cys Trp Ile Ser Gly Trp
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 Gly Ala Thr Glu Glu Lys Gly Lys Thr Ser Glu Val Leu Asn Ala Ala
 385 390 395 400
 Lys Val Leu Leu Ile Glu Thr Gln Arg Cys Asn Ser Arg Tyr Val Tyr
 405 410 415
 Asp Asn Leu Ile Thr Pro Ala Met Ile Cys Ala Gly Phe Leu Gln Gly
 420 425 430
 Asn Val Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Thr Ser
 435 440 445
 Asn Asn Asn Ile Trp Trp Leu Ile Gly Asp Thr Ser Trp Gly Ser Gly
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 Thr Asp Trp Ile Tyr Arg Gln Met Lys Ala Asn Gly
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<210> 15
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<220>
 <223> BLOCKS BL00495

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<210> 16
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> BLOCKS BL1253G

<400> 16
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<210> 17
<211> 17
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<220>
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<210> 18
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<212> PRT
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<220>
<223> BLOCKS BL00021D

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<210> 19
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<212> PRT
<213> Artificial Sequence

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<223> BLOCKS BL01243H

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Abstract

<210> 23
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<210> 24
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<220>
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<210> 25
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<210> 26
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> BLOCKS BL00134C

<400> 26
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<210> 27
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 <212> DNA
 <213> Homo sapiens

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<210> 30
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 <213> mouse

<400> 31
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 gcttgctctt ttggttggtt tgcctaaaat ccagcccaca atccagtcgt ctcttgggag 180
 agggaggtgc cttgcaaact ttcataatac gaatgtgcct gaggtgctt aactctggac 240
 tagtctcaga tctcaaacct gcactacacg aggaggcata cttttgcttc atctggacat 300
 ttagaatact gtaaccttgc tgccgttctg ttagattgct aactacgtcc cccgtctcca 360
 atttggtctc ccttaggcga taggatttgt cgtttttaac ggcaataaac ttgacaacac 420
 cagaatccaa gttttacttg aaaagctcgg cagaatacac agtgggtgtga caaaaaacaa 480
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<210> 32
 <211> 688
 <212> DNA
 <213> mouse

<400> 32
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 tgcaaaatga agcagcgata gagctgggct gtgtcagggt cgactgggac aagtcctctc 180
 tgaaagtcta ctctgggtct tctggcgagt ggcttcctgt ctgcagcagc gagctggaac 240
 gacactgact ccaagaggac ctgccagcag ctgggattct gacagcgctt accgaacaac 300
 tgaggtagcc cactagagac tgtcaccagc agcttcttga ctctccgaat acgacaccac 360
 caatccagga aagcctctac aggtcgcaat atccttcccg gcggtaatgg tctcccatcc 420
 agtgttccca ctgtggtttg agagcctatg accgggcgga tcgtgggagg cggctctgaa 480
 cctcggagag caagtgcgcc ctggctaagt tagcctgcac ttccggcaact acccacattc 540
 tgtggcggca cacttcatcg atagcccagt gtgttctcca ccggttgcca ccgttttttg 600

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tgaccccgca	acaacctctt	aacaagtgac	aacacctttt	tccaccacaa	atgtcccacg	660
accacaagt	ccttctcccc	aactcttg				688

<210> 33
 <211> 614
 <212> DNA
 <213> mouse

<400> 33						
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cagatgagaa	gacatctccc	ttcctccgag	aggttcaggt	caacctcatt	gacttcaaga	240
agtgcattga	ctacttggtc	tatgacagct	accttaccac	aaggatgatg	tgtgccgggg	300
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<210> 34
 <211> 751
 <212> DNA
 <213> Homo sapiens

<400> 34						
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gcagctaccg	actcatcgga	gtgcagtgtc	cactcctcat	tgccctggat	ggttttacgt	420
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aagactgaag	aggtgacaga	cgctgtgcta	gcgtgaggta	ttgactggga	ccaacgtctc	600
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<210> 35
 <211> 1230
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1230)
 <223> n = A,T,C or G

<400> 35
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 gactgcaagc tgaagagtga cgagctgggc tgcgtgaggt ttgactggga caagtctctg 180
 cttaaaatct actctgggtc ctcccatcag tggcttccca tctgtagcag caactggaat 240
 gactcctact cagagaagac ctgccagcag ctgggtttcg agagtgtca ccggacaacc 300
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 aagtggcctt ggcaagtga tctgcacttc ggcaccaccc acatctgtgg aggcacgctc 540
 attgacgccc agtgggtgct cactgccgcc cactgcttct tctgtacccg ggagaaggctc 600
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 tccattgccg agatcatcat caacagcaat tacaccgatg aggaggacga ctatgacatc 720
 gccctcatgc ggctgtccaa gcccctgacc ctgtccgggtg agggaatctg cactccccgc 780
 tctcctgccc cccagcccca gcacctctg cagccctcgc acttgtcagc atctgtcaac 840
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 gtcaatctca tcgacttcaa gaaatgcaat gactacttgg tctatgacag ttaccttacc 960
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 ggcacaggct gtggccagag aaacaaacct ggtgtgtaca ccaaagtga agaagttctt 1140
 ccctggattt acagcaagat ggaggcgagg tgcgattcag aaaatcctaa ccagctggcc 1200
 tgctgctctg cacagcaccg gctgctgtga 1230

<210> 36
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Random oligonucleotide

<400> 36
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